CLAIMS

1. A radiofrequency identification-interrogation unit for transmitting a radiofrequency signal to an identification label, which identification-interrogation unit is provided with

- a first and a second, low pass filtering voltage source, each having an output for delivering its own, pre-set voltage,
- a transmitter circuit which comprises an output amplifier and a supply input which is coupled to the output amplifier, and
- an electronic switch coupled between the supply input and the outputs of the voltage sources, and arranged to couple the supply input during modulation alternately to the output of the first and second voltage source.

2. A radiofrequency identification-interrogation unit according to claim 1, wherein the output amplifier comprises at least one parallel capacitor and wherein the identification-interrogation unit is provided with a coil coupled between the electronic switch and the output amplifier, and wherein the coil, together with the at least one parallel capacitor, forms a low pass filter.

3. A radiofrequency identification-interrogation unit according to claim 2, and provided with a resonating antenna loop for transmitting the radiofrequency signal, which identification-interrogation unit is provided with a settable resistance parallel to the output amplifier, with a setting range such that a damping factor of the low pass filter can be set such that, in combination with the Q factor of the resonating antenna loop, the radiofrequency current through the antenna loop is modulated in an optimum ratio between rise time and the width of the modulation sidebands.

4. A radiofrequency identification-interrogation unit according to claim 3, wherein the low pass filter is damped subcritically, so that the subcritical damping compensates an inertia of the antenna loop.

5. A radiofrequency identification-interrogation unit according to claim 3, and provided with a resonating antenna loop for transmitting the radiofrequency signal, which identification-interrogation unit is provided with a settable resistance in series with the coil to the output amplifier, with a setting range such that the damping factor of the low pass filter can be set such that in combination with the Q factor of the resonating antenna loop the radiofrequency current through the antenna loop is modulated in an optimum ratio between rise time and the width of the modulation sidebands.

6. A radiofrequency identification-interrogation unit according to claim 5, wherein the low pass filter is damped subcritically, so that the subcritical damping compensates an inertia of the antenna loop.